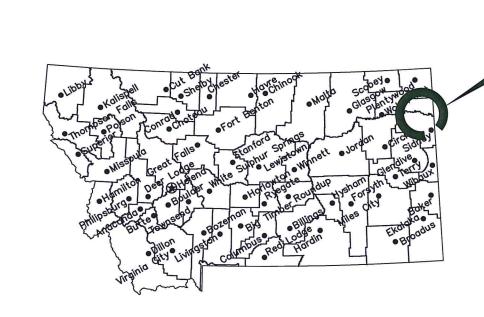
MONTANA FISH, WILDLIFE & PARKS

CULBERTSON BRIDGE FAS BOAT RAMP IMPROVEMENTS

CULBERTSON, MONTANA

FWP #7173722



Project Location

Project Location

Collection (C) west (

North



Vicinity Map

No Scale

Location Map

DATE:

No Scale

MONTANA FISH, WILDLIFE AND PARKS DESIGN AND CONSTRUCTION

 MAILING ADDRESS:
 PHYSICAL ADDRESS:

 PO BOX 200701
 1522 9th AVENUE

 HELENA, MT 59620-0701
 HELENA, MT 59601

TEL 406.841.4000 FAX 406.841.4004

fwp.mt.gov/Doing Business/Design&Construction

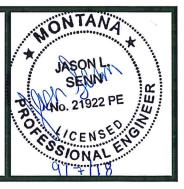
DRAWING INDEX

Sheet Number Sheet Title

TITLE SHEET

OVERALL SITE PLAN

3 DETA

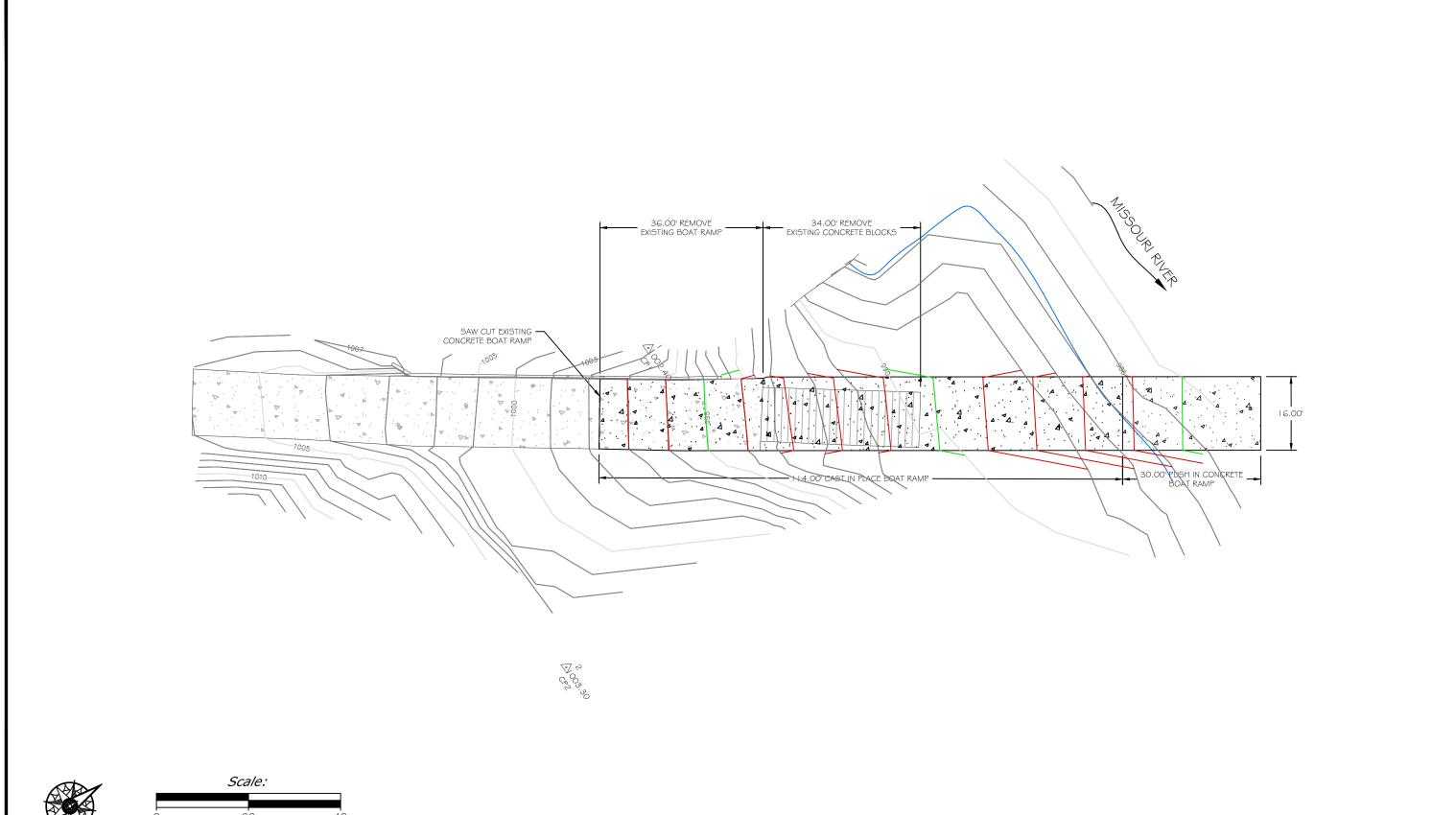


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Montana Fish, Wildlife & Parks TITLE SHEET CULBERTSON, MONTANA







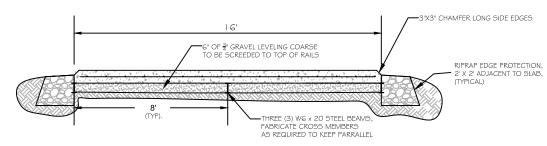
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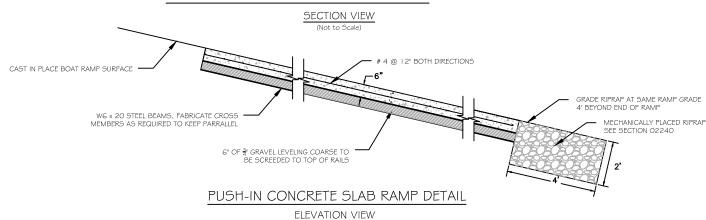


Montana Fish. OVERALL SITE PLAN Wildlife & Parks CULBERTSON, MONTANA

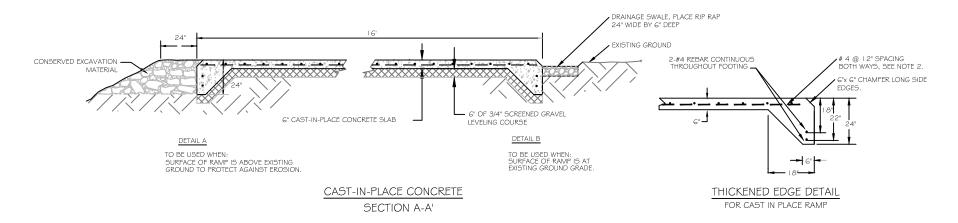
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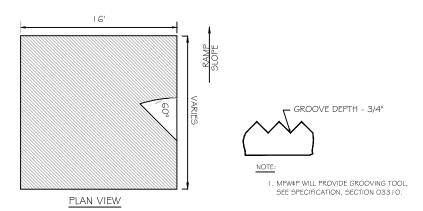


PUSH-IN CONCRETE SLAB RAMP DETAIL



(Not to Scale)





GROOVED SURFACE

10' (typ.) 8' (typ.)

CONCRETE FOR NEW RAMP IS A 3/4" MINUS: 6-1/2 BAG MIX WITH A MIN 28 DAY STRENGTH OF 4000 PSI, REINFORCED WITH # 4 BARS @ 12" SPACING BOTH DIRECTIONS.

- SAW CUT CONTROL JOINT

- 2. CONCRETE SHALL BE VIBRATED AND SCREEDED BEFORE SURFACE FINISH IS APPLIED.
- 3. SURFACE FINISH SHALL BE BULL FLOATED FOLLOWED BY
- GROOVING. CONTRACTION JOINTS SHALL BE SAW CUT AFTER RAMP IS GROOVED.
 - SLAB CONTROL JOINT DETAIL

PLAN VIEW

CAST IN PLACE SLAB NOTES:

- I. CONTINUE THICKENED EDGE FOOTING AROUND ENTIRE PERIMETER OF CAST-IN-PLACE
- CONCRETE.

 2. EXTEND AND EXPOXY #4 BARS MIN 20" (12" O.C.) IN EXISTING CONCRETE CONNECTIONS. PROVIDE EXPANSION JOINT MATERIAL ALONG COLD JOINT CONNECTIONS.
- 3. NO CHAMFER ALONG SIDEWALK/BULKHEAD/EXISTING CONCRETE CONNECTIONS.
- 4. PROVIDE 2½" CLEAR COVER FOR ALL REBAR REINFORCEMENT.

PUSH IN SLAB NOTES:

- 5. ALL PUSH-IN SLAB SECTIONS SHALL BE CAST AT APPROXIMATELY THE SAME SLOPE AS THEY ARE TO BE PLACED.
- ALL PUSH-IN SECTIONS SHALL BE ALLOWED TO CURE FOR A MINIMUM OF 14 DAYS.
- ALL PUSH IN SECTIONS SHALL BE CAST ON A SMOOTH 4" LAYER OF COMPACTED AGGREGATE.
- DEPENDING ON CONSTRUCTION EQUIPMENT OR WORKING AREA LIMITATIONS, CONTRACTOR MAY HAVE TO MAKE MULTIPLE PUSH-IN SLAB POURS PRIOR TO FINAL INSTALLATION. ALL SEPARATE POURS WILL REQUIRE REBAR PLACEMENT AS DESCRIBED IN NOTE 5
- 9. REBAR SHALL BE EPOXIED INTO FIRST SLAB AND EXTENDED A MINIMUM OF 20" INTO SUBSEQUENT SLAB(S).
- 10. CONTRACTOR MAY ELECT TO FABRICATE ANGLE IRON ALONG EDGE OF OUTER STEEL SUPPORT BEAMS TO HELP DIRECT PUSH-IN SLAB DURING INSTALLATION.
- MECHANICAL TAMPING METHODS TO PROVIDE FLUSH SURFACE.

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DETAILS Wildlife @ Parks CULBERTSON, MONTANA